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(54) Title: PROCESS FOR THE PREPARATION OF BIS(PERFLUOROALKYL)PHOSPHINIC ACIDS AND SALTS THEREOF

(57) Abstract: The present invention relates to a process for the preparation of bis(perfluoroalkyl)phosphinic acids comprising at least the reaction of at least one difluorotris(perfluoroalkyl)phosphorane or at least one trifluorobis(perfluoroalkyl)phosphorane with hydrogen fluoride in a suitable reaction medium, and heating of the resultant reaction mixture. The invention also relates to salts of bis(perfluoroalkyl)phosphinic acids and to the use thereof.